

AMENDMENTS TO THE CLAIMS:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently amended) A low-pressure mercury discharge lamp comprising an envelope with an inner surface enclosing a discharge space in which a mercury comprising filling is accommodated, at least one electrode for generating ultraviolet radiation in said discharge space, and a phosphor layer formed over said inner surface to convert said ultraviolet radiation into light to provide a light output of 3600 lumens at an operation life of 100 h of the green wavelength region, wherein said phosphor layer consists of a water-dispersable blend of a yellow-green phosphor and a blue-green phosphor.
2. (Canceled)
3. (Currently amended) A low-pressure mercury discharge lamp according to claim 1, wherein said yellow-green phosphor is a Ce, Tb activated phosphor, ~~preferably~~ gadolinium magnesium borate, activated by Ce, Tb; and wherein said blue-green phosphor is a Eu, Mn activated phosphor, preferably barium magnesium aluminate, activated by Eu, Mn.
4. (Currently amended) A low-pressure mercury discharge lamp according to claim 1, wherein the weight ratio of yellow-green phosphor to blue-green phosphor is from 90:10 to 10:90, ~~preferably 75:25 to 50:50~~.
5. (Original) A process for the preparation of a low-pressure mercury discharge lamp having green emission, comprising the application of a green-emitting phosphor layer on the inner surface of the envelope enclosing the discharge space of the lamp, wherein an aqueous suspension of a blend of a yellow-green phosphor and a blue-green phosphor is deposited on the inner surface, followed by drying to obtain a coating of a green phosphor layer on said inner surface.
6. (Currently amended) A process according to claim 5, wherein said phosphor blend consists of a Ce, Tb activated gadolinium magnesium borate and a Eu, Mn activated barium magnesium aluminate, ~~preferably~~ in a proportion of 87-50% b.w. of gadolinium magnesium borate, activated by Ce or Tb, to 13-50% b.w. of barium magnesium aluminate, activated by Eu and Mn.
7. (New) A low-pressure mercury discharge lamp according to claim 4, wherein the weight ratio of yellow-green phosphor to blue-green phosphor is from 75:25 to 50:50.